A fast ray tracing disk model for 10 micron interferometric data fitting: First application on the B[e] star CPD57 2874

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We present here a parametric dust disk model (P2DM) developed in order to fit interferometric observations in a much faster computing time than the classical Monte Carlo Modeling Approach. P2DM combined with a Levenberg-Markward minimisation algorithm allows to derive crucial both physical and geometrical parameters. The restriction of this model to wavelengths around and above 10 microns (no gas, no scattering) make it useful for VLTI-MIDI (and future MATISSE) observations and implies that a more elaborated modelling is necessary to get a deeper understanding of the physical processes responsible of the observed disks. This fast and nevertheless physical model is usefull for exploring the physical parameter phase space and to provide starting values for more powerfull models. We will present the model and its application on the super giant B[e] CPD -57 2874 star observed with VLTI-MIDI.